

Interleukin-15 Human Recombinant

Item Number	rAP-0545
Synonyms	IL-15, MGC9721.
Description	Interleukin-15 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 114 amino acids (and an N-terminal Methionine) and having a molecular mass of 12.8kDa. The IL-15 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P40933
Amino Acid Sequence	MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLELQV ISLESGDASI HDTVENLIIL ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL15 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from PBS pH 7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-15 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by the dose-dependant stimulation of the proliferation of mouse CTLL-2 was found to be < 0.5 ng/ml, corresponding to a Specific Activity of 2 x 10 ⁶ IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**